

WHAT IS CLAIMED IS:

1. A round strip food shaping apparatus comprising:

a transfer device having a transfer belt surface which moves forwards along a specific direction;

5 a plurality of right blades and a plurality of left blades being installed at two lateral sides of the transfer belt surface; a distal end of each right blade and each left blade having a respective axial portion; the right blades and left blades moving forward along a predetermined direction; the movement of the left blades and right
10 blades being identical and synchronous to the transfer belt surface; in the moving process, the right blades and left blades rotating upwards along respective axial portions sequentially from a horizontal direction to a predetermined angle and then rotating downwards sequentially to the horizontal direction;

15 at least one piece of outer material being used for enclosing a stuffing; if a plurality of outer materials are used, the outer material are equi-distance and horizontally arranged on the transfer belt surface; the at least one outer material has two lateral piece-bodies which are attached to the surface of the right blades and left blades;

20 a stuffing transfer unit being disposed above the transfer belt surface for providing stuffings to a surface of the outer material intermittently; when the right blades and left blades are turned

upwards, the lateral piece-bodies of the outer material will be folded so as to enclose the stuffing;

a folding apparatus for folding the outer material; a lower end of the folding apparatus having a pick-up end; a tip portion of the
5 folding apparatus being movably connected to an upper side of the transfer belt surface and being behind the stuffing transfer unit; when the two lateral piece-bodies enclosing the outer material and passing through the folding apparatus, the transversal side of the outer material between the two lateral piece-bodies will be folded by the
10 pick-up end to cover the surfaces of the two left blades; and the outer material rolling with the stuffing being used as a rolling axis; the outer material rolling between and contacts a net and a transfer belt surface so as to be rolled as a round strip food.

2. The round strip food shaping apparatus as claimed in claim 1,
15 wherein the right blades and left blades are formed by a plurality of strips; the axial portion of each strip is movably connected to chains;

there are two chains which are arranged at two sides of the transfer belt surface and move cyclically; the right blades and left blades move synchronously with the chains;

20 a left lateral sheet and a right lateral sheet are firmly secured to the lateral sides of the chains; the lateral sides of the two lateral sheets extend upwards so as to form inclined sliding surfaces for sliding the right blades and left blades; and

a right upper piece and a left upper piece are disposed above the transfer device by an upper connecting frame; the right upper piece is formed by a right angle first sliding surface and a second sliding surface connected to the first sliding surface; the left upper piece is
5 formed by a right angle first sliding surface and a second sliding surface connected to the first sliding surface; the moving right blades and left blades will contact the sliding surfaces of left lateral sheet and the right lateral sheet; the right blades and left blades are guided to turn upwards with a predetermined angle; the first sliding
10 surfaces and the second sliding surfaces serve to guide the upwards-turned right blades and left blades to return to horizontal position.

3. The round strip food shaping apparatus as claimed in claim 1, wherein the folding apparatus is formed by a cambered sheet; a lower
15 end of the folding apparatus has the pick-up end and an upper end of the folding apparatus has the tip portion; the folding apparatus is movably connected to pivotal holes of two retaining frames; and

when the transversal side of the outer material contacts the pick-up end, the transversal side turns upwards along an inner wall of
20 the folding apparatus; by the rolling force of the stuffing applied upon the folding apparatus, the folding apparatus swings outwards along the tip portion; the pick-up end moves upwards and outwards for reversely folding the transversal side so that the transversal side covers upper surfaces of the two lateral piece-bodies.

4. The round strip food shaping apparatus as claimed in claim 1,
wherein the net is installed behind the folding apparatus, an outer end
of the net has a tip end fixed to the pivotal holes of the two retaining
frames; thereby, the net is arranged loosely on the transfer belt
5 surface; the folded outer material is transferred forwards and rolls
between and in contact with the net and the transfer belt surface so as
to form a round strip food.

5. The round strip food shaping apparatus as claimed in claim 1,
wherein in the round strip food shaping apparatus, the two retaining
10 frames are at two lateral sides of the rear portion of the transfer
device; the two retaining frames have the plurality of pivotal holes;
the folding apparatus, a door, and the net are movably installed to the
retaining frames by using pins, respectively.

6. The round strip food shaping apparatus as claimed in claim 1,
15 wherein a door is mounted between the net and the folding apparatus;
the door is above the transfer belt surface.

7. A method for forming round strip food comprising the steps of:

moving horizontally a soft and deformable outer material to a
predetermined distance;

20 stopping the movement of the outer material temporary;

placing a stuffing upon an upper surface of the outer material;

lifting and turning two lateral piece-bodies of the outer material

at two sides of the moving path of the outer material to cover upon an upper surface of the stuffing;

lifting and turning a transversal side of the outer material along the moving path to cover upon the lateral piece-bodies; and

5 rolling the stuffing with the outer material enclosing thereon so that the outer material wound around the stuffing to form a round strip food.

5. The method for forming round strip food as claimed in claim 1, wherein the outer material is selected from one of leaves of shapeable
10 fruits, and vegetables.